

ABSTRACT

The present invention provides a method for manufacturing the imide-substituted polymer comprising the following four consecutive steps of (i) the
5 copolymerization step of copolymerizing aromatic vinyl monomers and unsaturated dicarboxylic anhydride monomers, (ii) the separation step of removing the unreacted monomers and solvents from the abovementioned copolymerized solution continuously supplied to the separator, (iii) the imide
10 substitution step of reacting unsaturated dicarboxylic anhydride units in said copolymers with primary amines, and (iv) the devolatilization step of removing low-molecular-weight volatiles from the polymer solution. The imide-substituted polymer manufactured according to the methods
15 in the present invention has greatly improved the heat resistance and the productivity as the content of aromatic vinyl homopolymers is reduced significantly and the reaction time is shortened extensively.